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PATENT
Attorney Docket No. 215110

Pre and
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Feussner et al.

Art Unit: Unassigned

Application No. Unassigned
(U.S. National Phase of PCT/EP00/06539)

Examiner: Unassigned

Filed: January 8, 2002

For: 11-ARACHIDONATE-LIPOXYGENASE
MUTANTS

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to the examination of the above-identified patent application, please enter the following amendments and consider the following remarks.

AMENDMENTS

IN THE SPECIFICATION:

Replace the paragraph beginning at page 1, line 6, with:

A1
The present invention relates to a method for producing a plant lipoxygenase with modified positional specificity and to the lipoxygenase obtained by said method and to the use thereof for the hydroperoxylation of arachidonic acid at carbon atom 11.

Replace the paragraph beginning at page 2, line 28, with:

A2
This problem is solved according to the invention by a method in which at least one amino acid is changed in a wild type LOX, preferably of potato tuber.

Replace the paragraph beginning at page 3, line 5, with: